

**ABSTRACT OF THE DISCLOSURE**

A micro-mirror based optical cross-connect switch is provided, which includes input and output optical fiber bundles and first and second micro-mirror arrays which are used to couple light between the fibers in the input and output of fiber arrays. At least two of the input and output optical fiber arrays and the first and second micro-mirror arrays are attached to a substrate via respective alignment groups formed in the substrate. This allows for accurate alignment of the fiber arrays and micro-mirror arrays.